
8. Savings Account

Program Name: Savings.java

Input File: savings.dat

Your favorite, rich uncle, Ebenezer, has decided to help you with your college funds. Rather than just give you a lump sum, he has decided that he will give you some money each day for up to a year and let you put it in your college savings account.

Uncle Ebenezer has decided that he will give you \$1 on the first day, \$2 on each of the next two days, \$3 on each of the next three days, and so forth for a given number of days. He has asked you to write a program that will let you know how much money you would have after a given number of days.

Input

The only line of input will contain a space delimited list of positive integers less than 365 that indicate the number of days for each test case.

Output

For each test case and on a separate line, you will print the number of days followed by a space, a dollar sign (\$) and the amount of money that you would have at the end of the given number of days.

Example Input File

```
15 37 74 25
```

Example Output to Screen

```
15 $55
37 $213
74 $602
25 $119
```